CLAIMS

1. A birth monitoring system, comprising:

a monitor including at least one sensor operative to measure a physiological parameter associated with labor;

a posture sensor which generates a signal indicative of posture of a mother; and circuitry which generates an output signal dependent on both a measurement of said sensor and a posture measurement of said posture sensor.

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- 2. A system according to claim 1, wherein said output signal comprises a signal selectively suppressed responsive to said measured posture.
- 3. A system according to claim 1, wherein said circuitry is operative to modify said output signal responsive to said posture signal.
 - 4. A system according to claim 1, wherein said circuitry is operative to generate a signal indicative of a change in said physiological parameter responsive to a change in said posture.
- 20 5. A system according to claim 1, wherein said physiological parameter comprises a geometry of a cervix.
 - 6. A system according to claim 1, wherein said physiological parameter comprises a fetal head position relative to a birth canal of a mother.

- 7. A system according to claim 1, wherein said physiological parameter comprises a fetal physiological parameter.
- 8. A system according to claim 7, wherein said fetal physiological parameter comprises a fetal heart rate.

9. A system according to claim 1, wherein said physiological parameter comprises a maternal physiological parameter.

- 10. A system according to claim 1, wherein said physiological parameter is changed by a change in posture.
 - 11. A system according to claim 1, wherein a measurement by said sensor is changed by a change in posture.
- 10 12. A system according to claim 11, wherein said sensor comprises at least one internal probe and at least one external probe serving as a reference thereto.
 - 13. A system according to claim 1, wherein said output signal is generated if a posture change is not maintained.
 - 14. A system according to claim 1, comprising memory which stores a correspondence between posture and a physiological parameter.

- 15. A system according to claim 1, wherein said circuitry extracts at least one maternal physiological parameter from said posture sensor.
 - 16. A system according to claim 15, wherein said maternal parameter comprises breathing.
- 17. A system according to claim 1, wherein said posture sensor comprises an acceleration sensor.
 - 18. A system according to claim 1, wherein said posture sensor is calibrated to be aligned to one or more maternal body axes.
- 30 19. A system according to claim 1, wherein said output signal comprises a recommendation to a caregiver regarding posture.

20. A system according to claim 1, wherein said posture sensor is housed together with at least a part of said at least one sensor.

21. A method of generating an output signal indicative of a medical monitoring of a patient in labor, comprising:

measuring at least one postural parameter of the patient; measuring at least one physiological parameter associated with labor; and generating a signal responsive to both of said measurements.

10 22. A method according to claim 21, comprising discarding a physiological measurement responsive to a posture measurement.

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- 23. A method according to claim 21, wherein said generating comprises correcting a physiological measurement based on said posture measurement.
- 24. A method according to claim 21, wherein said generating comprises tracking a change in at least one physiological parameter responsive to said posture measurement.
- 25. A method according to claim 21, wherein said generating comprises generating a physiological measurement from said posture measurement.
 - 26. A method according to claim 21, comprising monitoring an effect of posture change on said physiological parameter.
- 25 27. A method according to claim 21, comprising monitoring a compliance of a patient with a posture change.
 - 28. A method according to claim 21, comprising determining a side on which the patient is lying.
 - 29. A method according to claim 21, wherein said postural parameter and said physiological parameter are both acquired using a same sensor.

30. A method according to claim 29, comprising determining a change in posture based on a measured change in said at least one physiological parameter.

- 31. A method according to claim 23, wherein correcting comprises applying a correction value to said physiological parameter.
 - 32. A method according to claim 31, comprising updating said correction value when a posture change is detected.
- 10 33. A method according to claim 32, wherein updating comprises updating assuming that said physiological parameter does not change over a period of time of the occurrence of said posture change.
 - 34. A mounting assembly, comprising:

an elastic adhesive ring adapted to adhere to a human skin;

- a selectively locking mount attached to said ring; and
- a housing adapted to receive a sensor and selectively lockable to said mount, and configured to provide mechanical contact of at least one part thereof to a skin to which the ring adheres.

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- 35. An assembly according to claim 34, wherein said locking is a snap mounting.
- 36. An assembly according to claim 34, wherein said mount interlocks with at least one aperture in said ring.

- 37. An assembly according to claim 34, wherein said sensor comprises an ultrasonic transducer adapted to ultrasonically communicate through a center of said ring and wherein said mechanical contact is suitable for ultrasonic transmission therethrough.
- 30 38. An assembly according to claim 34, wherein said sensor comprises an inclination sensor.
 - 39. An assembly according to claim 34, comprising circuitry for RF communication.

40. An assembly according to claim 34, comprising a power source in said housing.

- 41. An assembly according to claim 34, comprising circuitry for digitizing and processing of ultrasound signals.
 - 42. A method of applying ultrasound coupling material to an active element designed for gel-coupled contact with skin, comprising:

mounting the element in an adhesive mount;

applying a coupling material suitable for ultrasonic coupling to the element; and stripping a covering from said mount, thereby exposing an adhesive layer of said mount and removing excess gel-like material.